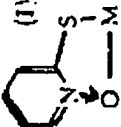


# DERWENT PUBLICATIONS LTD.

48818V 27	D23 611 (819)	HENK 20.12.72 -DT 2262-375	17
HENKEL & CIE GMBH 20 12 72 DT 262375 127 06 741 A01A 07:06			
Anti-dandruff hair-treatment compsn - contg. zinc- or zirconium-pyrithion water-solubilised by combination of amine or polyalkyleneimine with a complex forming cpd			
Hair-treatment compsn. exerting anti-dandruff effect has a pH of 6.0 - 7.5 and contains a combination of (A) a cpd. having the formula (I):			
	(I) (in which M is Zn or Zr); (B) an aliphatic amine or polyalkylene- imine; and (C) a complex - forming cpd. having a CaCO <sub>3</sub> - binding capacity larger than 230 mg per g (according to the Hampshire test); the combination of (A), (B) and (C) dissolving to give a clear soln.		
ADVANTAGE (I) dissolves in aq. solns having a pH of 6.0 - 7.5 (as in the case of most shampoos) only in the presence of (B) and (C). The combination is highly effective against dandruff.			
DETAILS (B) is pref. a polyethylenimine of m. wt. 600 - 60,000; it is used in an amt. of 0.5 - 20 wt.% (on the total compen). (A) is used in an amt. of 0.1 - 5 wt.%, and (C) in an amt. of 0.5 -			
D8-B3.	20 wt.%(e.g EDTA).	EXAMPLE Anti - dandruff shampoo consists of (in wt.%) : sodium lauryl ether sulphate (Texapon EVR; RTM) 25.0; sodium lauryl ether sulphate (Texapon N40; RTM) 20.0; coconut fatty acid diethanol amide (Comperlan KD;RTM) 1.0; proteic hydrolysate (WSPX; RTM) 0.1; plant extract (Extrapon 5 special, RTM) 0.3; plant extract (Arkin; RTM) 1.0; 37% formaldehyde soln. 0.5; zirconiumpyrithion 1.5; polyethylene- -imine (mol. wt. 1200) 3.0; EDTA 2.5; perfume oil 0.3; the balance being water. An acid or base may be added to adjust the pH to 6.0 - 7.5. (48818V).	

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